

# DEVIATION TESTS

for

MESA PETROLEUM COMPANY

NASH UNIT NO. 3  
1980' FS&WL, Section 12,  
T-23-S, R-29-E,  
Eddy County, New Mexico

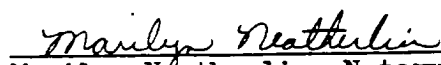
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U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

| DEPTH<br>(FEET) | DEVIATION<br>(DEGREES) | DEPTH<br>(FEET) | DEVIATION<br>(DEGREES) |
|-----------------|------------------------|-----------------|------------------------|
| 100             | 1/4                    | 6,204           | 1/2                    |
| 215             | 3/4                    | 6,560           | 1/2                    |
| 477             | 3/4                    | 6,965           | 1/4                    |
| 970             | 3/4                    | 7,400           | 1/4                    |
| 1,470           | 1/2                    | 7,791           | 3/4                    |
| 1,832           | 1/4                    | 8,179           | 3/4                    |
| 2,094           | 1                      | 8,412           | 1/4                    |
| 2,200           | 1 1/4                  | 8,750           | 1/4                    |
| 2,345           | 1 1/4                  | 9,158           | 1/2                    |
| 2,531           | 2 1/4                  | 9,375           | 1/2                    |
| 2,665           | 2 1/2                  | 9,750           | 1/2                    |
| 2,873           | 2 1/2                  | 10,975          | 1/4                    |
| 2,988           | 2 1/2                  | 11,568          | 1                      |
| 3,080           | 2 1/4                  | 11,996          | 1                      |
| 3,123           | 2 1/2                  | 12,599          | 1/4                    |
| 3,578           | 1                      | 12,822          | 3/4                    |
| 3,909           | 3/4                    | 13,025          | 1/2                    |
| 4,397           | 3/4                    | 13,204          | 1 1/2                  |
| 4,850           | 1/4                    | 13,510          | 1                      |
| 5,269           | 1/4                    | 13,780          | 1                      |
| 5,739           | 1/2                    |                 |                        |

  
B. E. BURTON, CONTRACT MANAGER  
WARTON DRILLING COMPANY

Subscribed and sworn to before me this 5th day of November, 1976.

  
Marilyn Neatherlin, Notary Public  
in and for Ector County, Texas